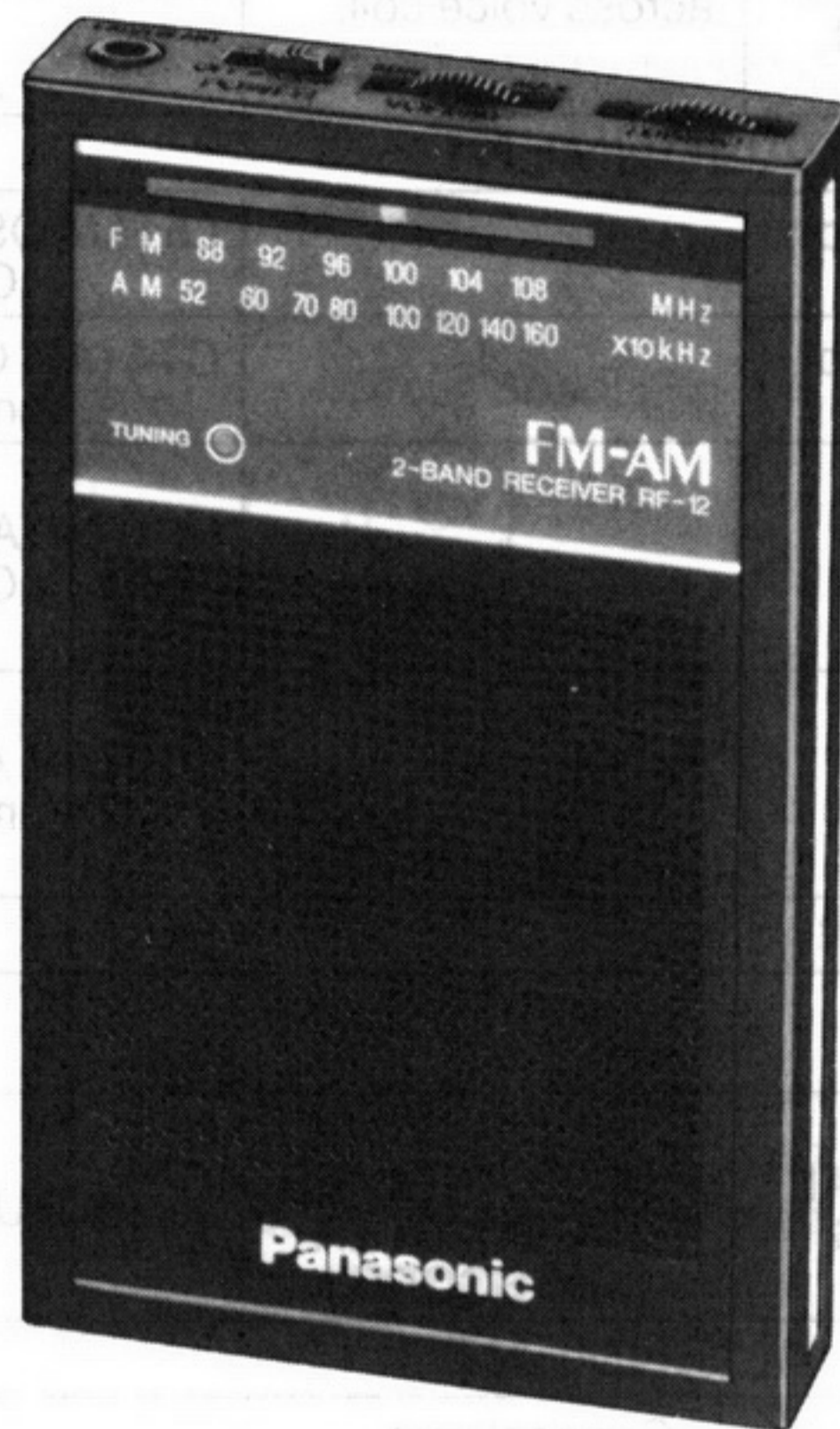


Service Manual

Radio
RF-12
(Black)

FM-AM Portable Radio



This is the Service Manual for the following areas.

Z...For all European areas except United Kingdom & Germany

G...For West Germany

■ SPECIFICATIONS

Frequency Range:	FM; 87.5~108 MHz AM; 520~1610 kHz
Intermediate Frequency:	FM; 10.7 MHz AM; 455 kHz
Sensitivity:	FM; 2.8 μ V/5 mW output (-3 dB, Limit Sens) AM; 126 μ V/m/5mW output
Power Source:	DC 3 V (Two "AAA" Size Battery) (Panasonic UM-4 or equivalent)
Power Output:	150 mW RMS (max.)
Speaker:	3.6 cm (1 $\frac{7}{16}$ ") PM Dynamic Speaker (7.2 Ω)
Impedance:	Earphone 7.2~32 Ω , ϕ 2.5
Dimensions:	54 (W) \times 89 (H) \times 12.7 (D) mm (2 $\frac{1}{8}$ \times 3 $\frac{1}{2}$ \times 1 $\frac{1}{2}$ ")
Weight:	50 g (1.8 oz.) without batteries

Design and specifications are subject to change without notice.

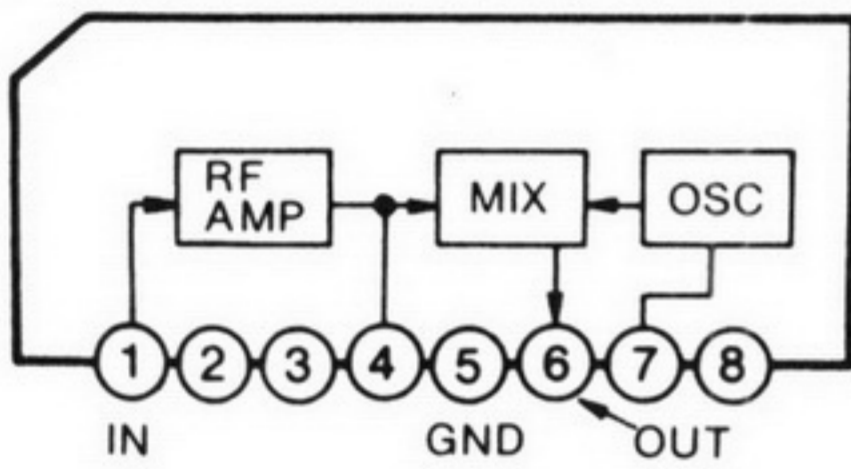
Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

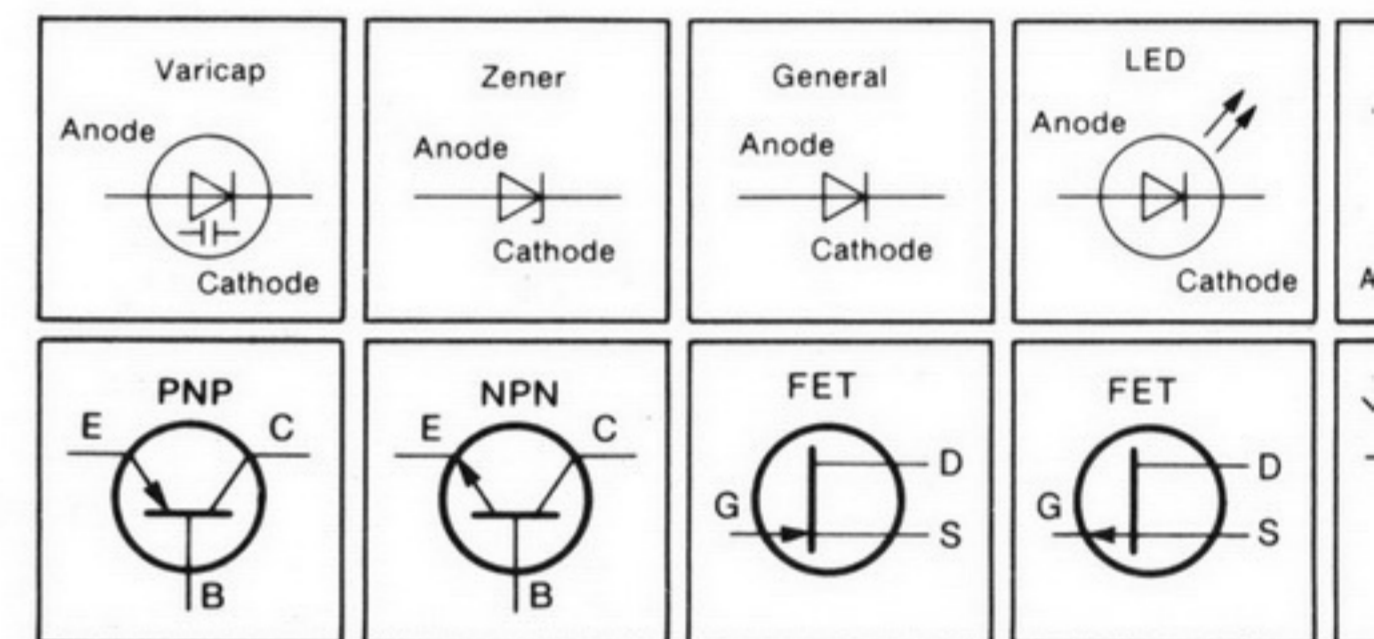
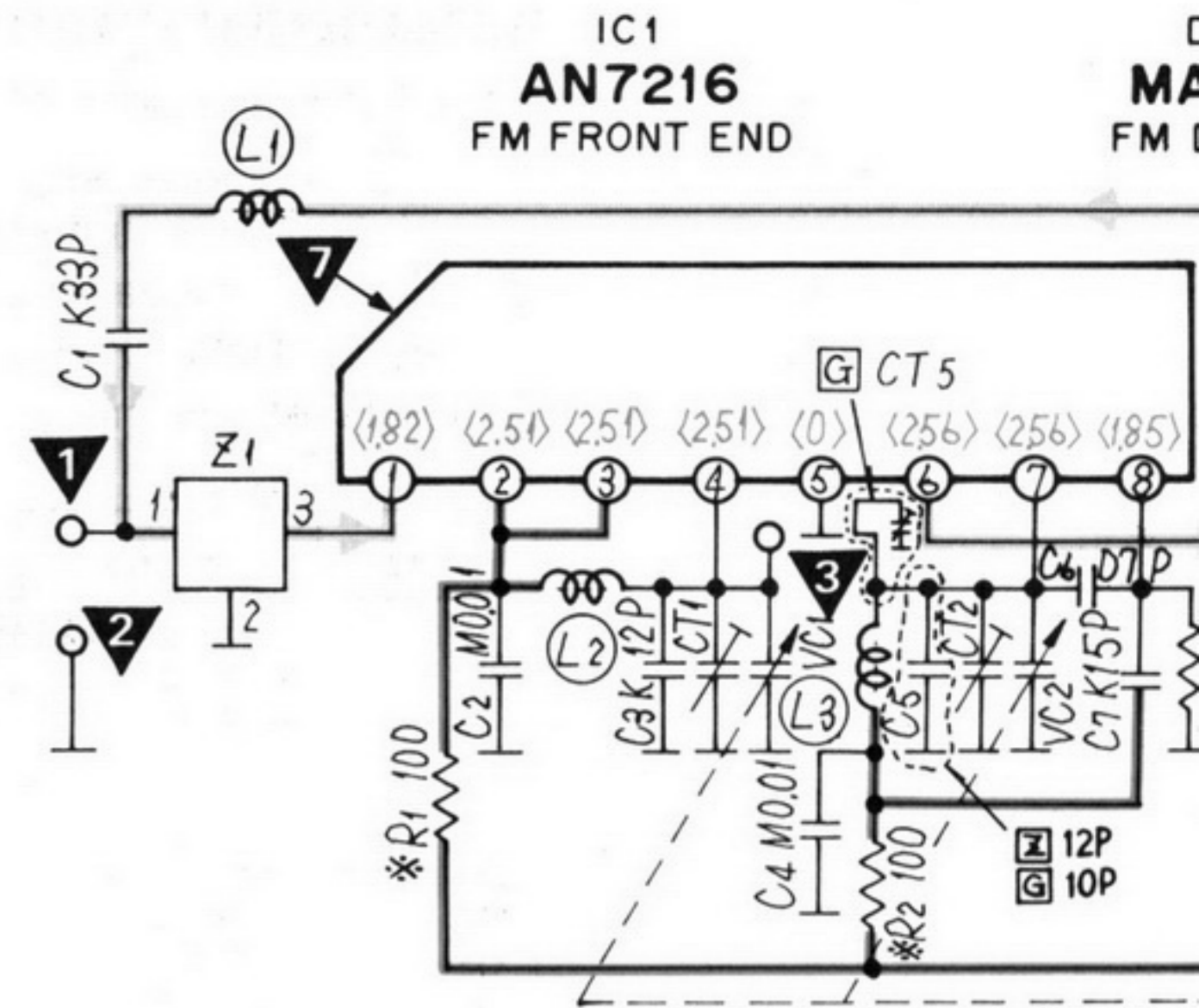
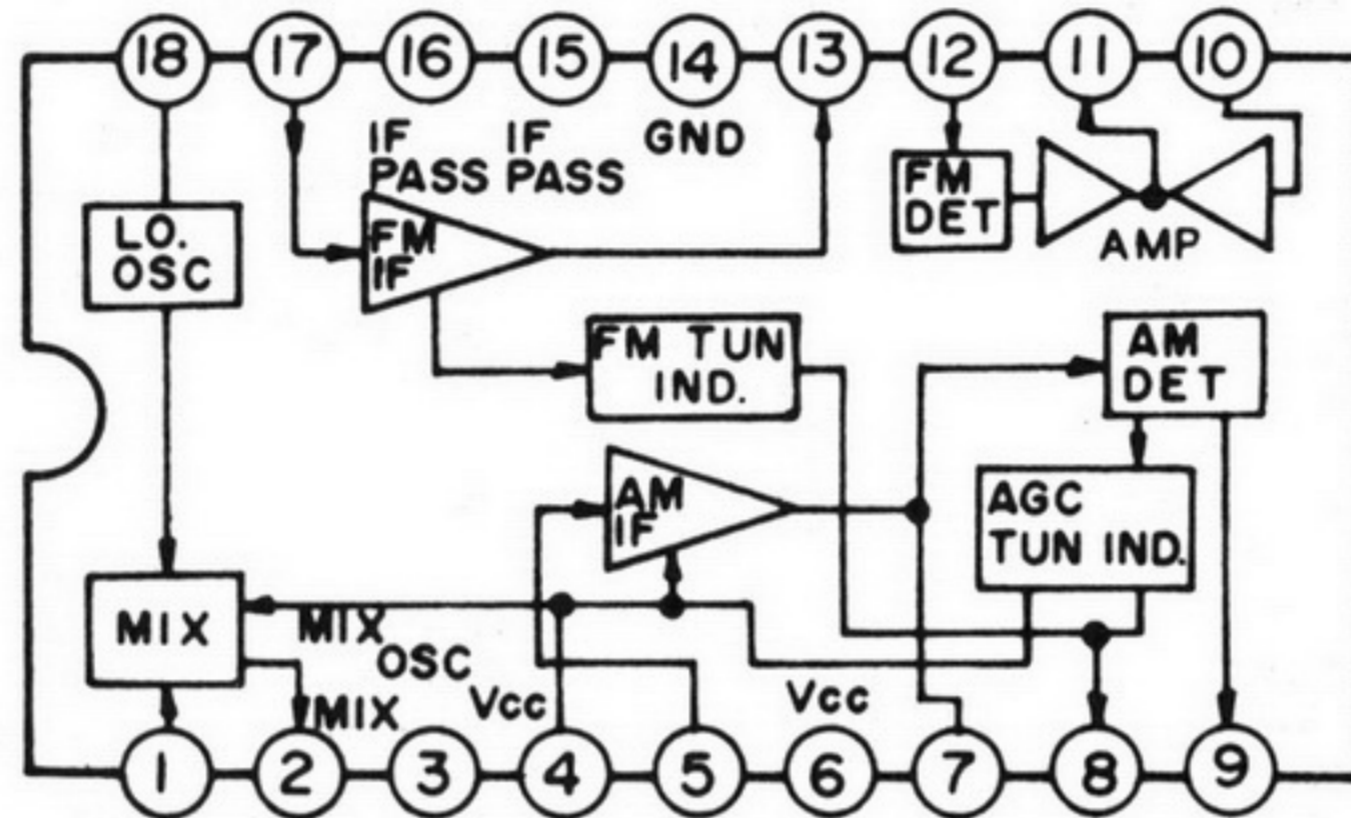
Notes:

1. S1: Band Selector Switch in "FM" position.
(2...AM, 3...FM)
2. S2: Power Switch in "ON" position.
(2...OFF, 3...ON)
3. S3: EAR/SP Selector Switch in "SP" position.
(2...SP, 3...EAR)
4. VR1: Volume Control VR.
5. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
 < ...FM, ()...AM
6. Battery current: NO signal 20 mA
 Maximum output 63 mA
7. ——— ...+(B) Voltage Line ——— ...FM Signal Line
8. For resistors using printed types except those with * mark.

IC1
AN7216



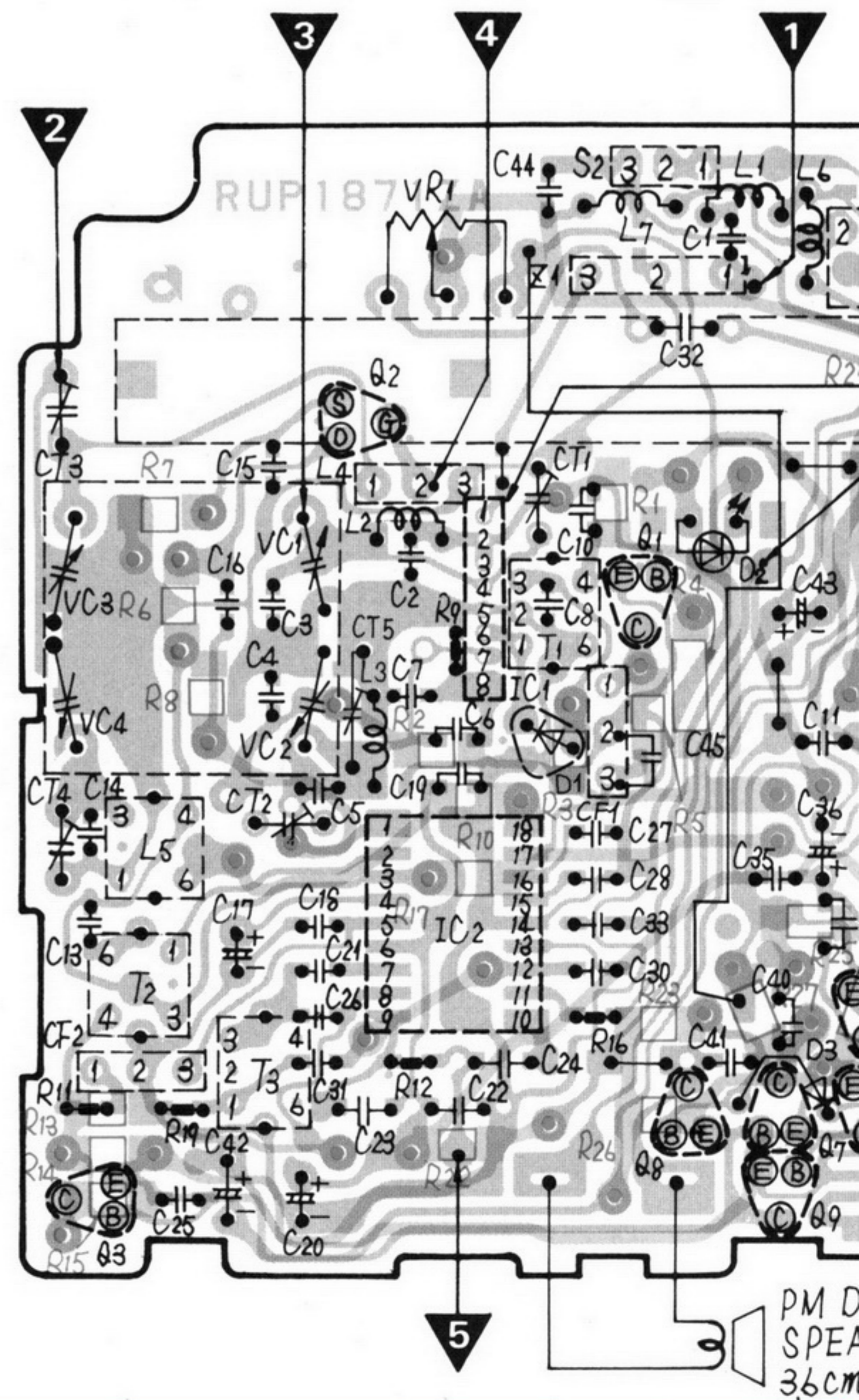
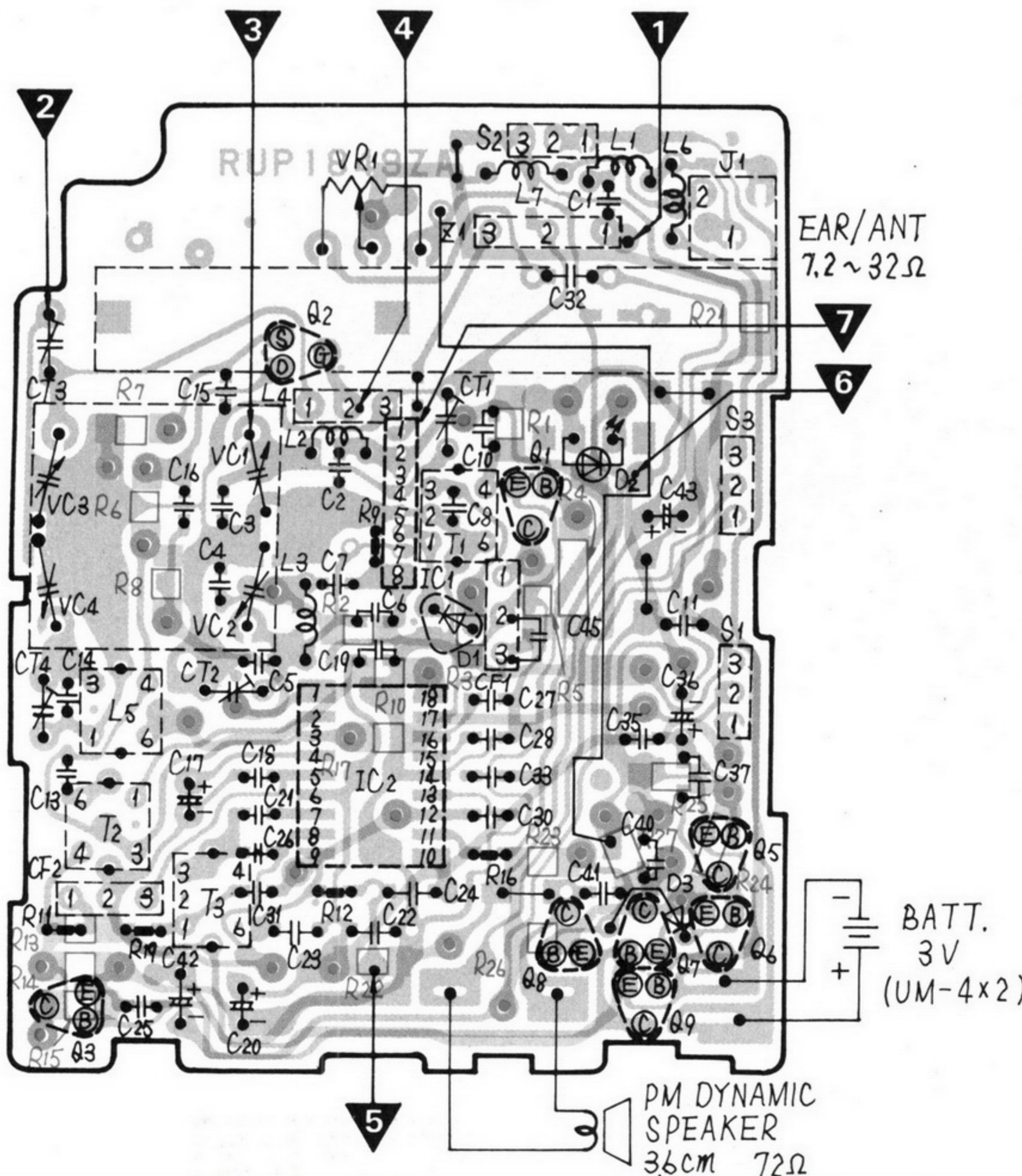
IC2
AN7226S



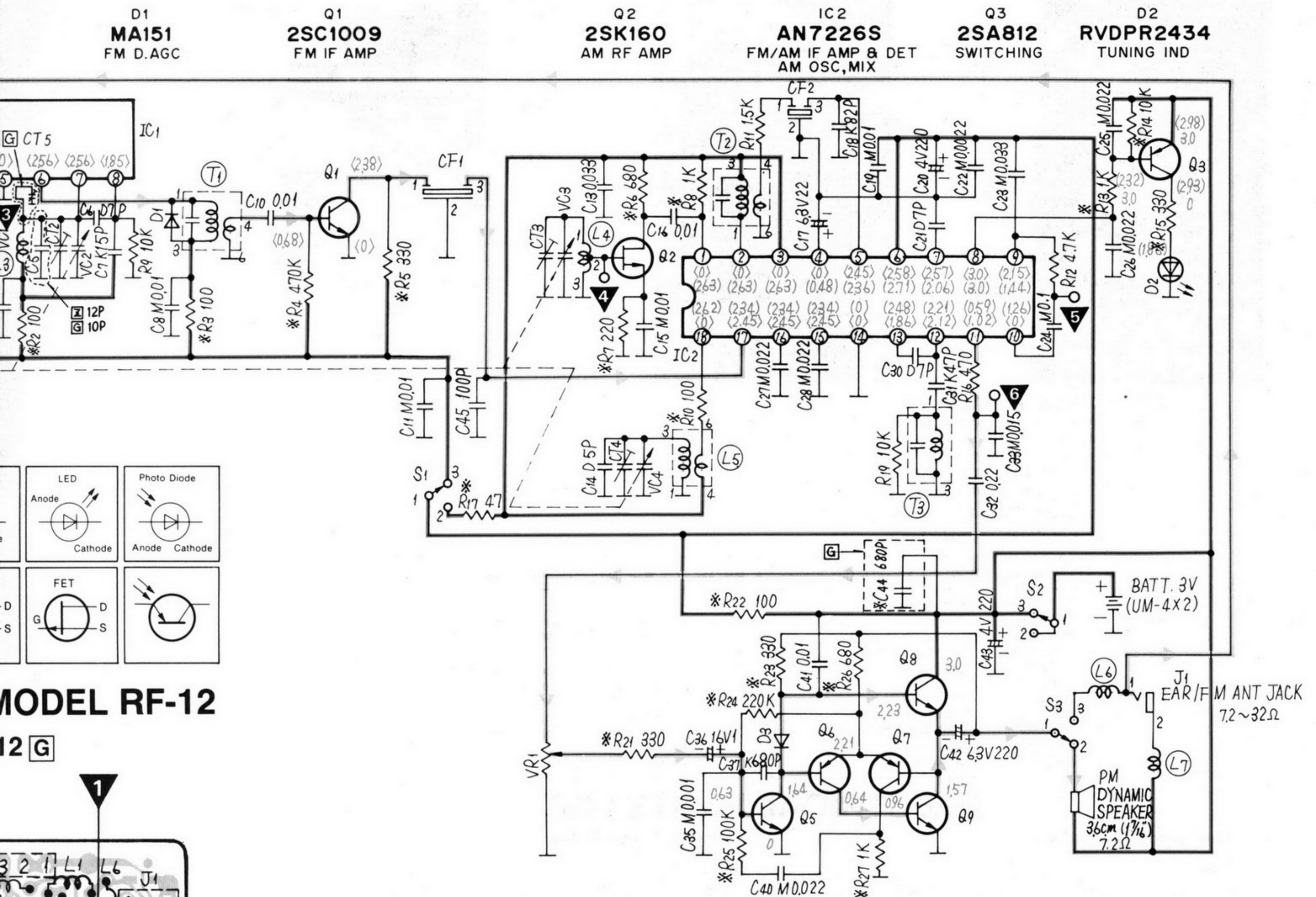
CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM MODEL R

RF-12 Z

RF-12 G

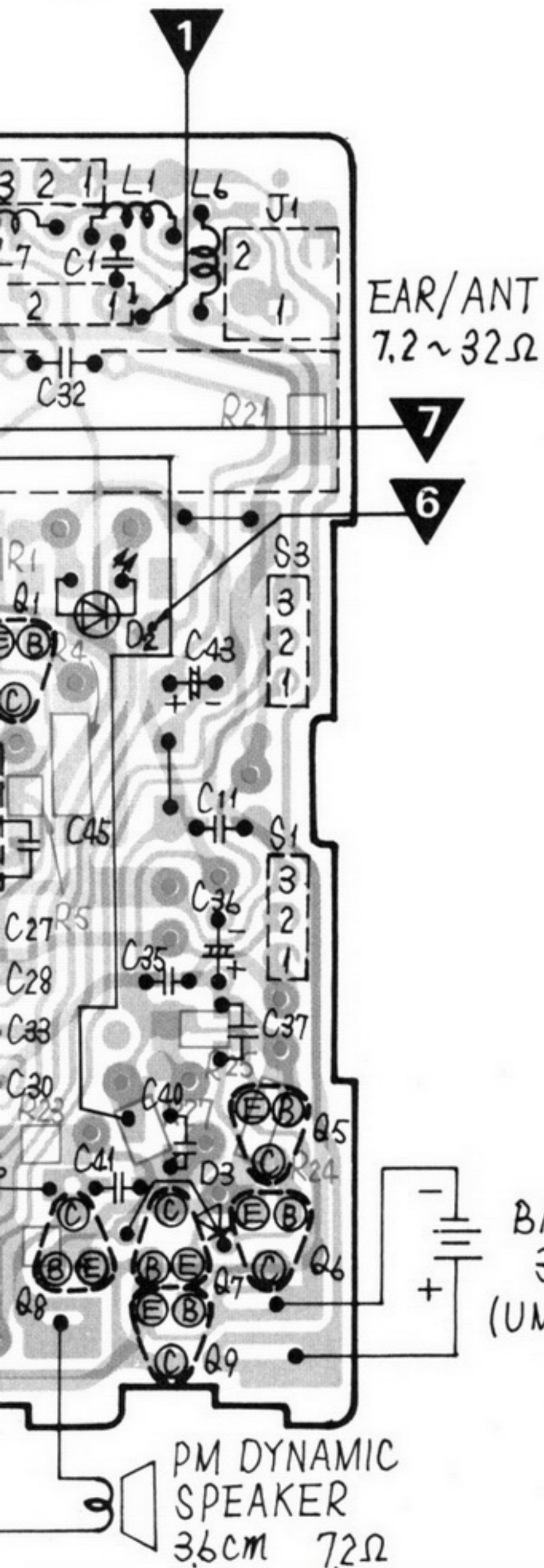


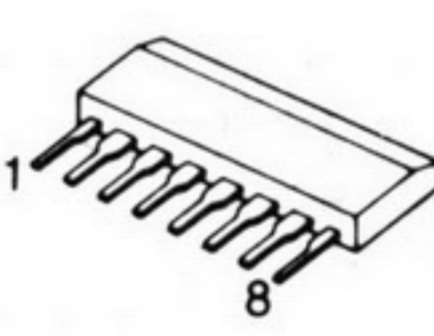
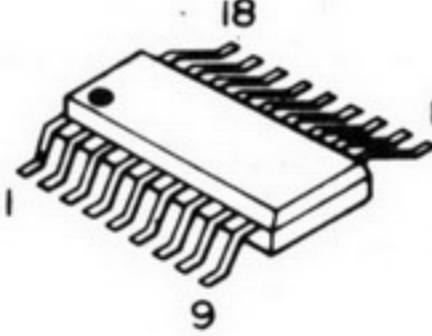
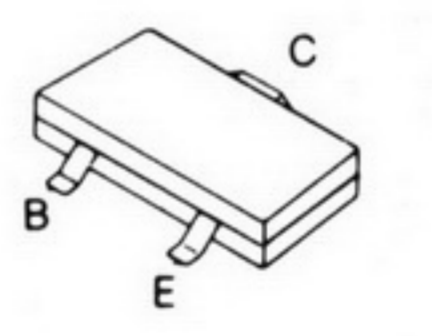
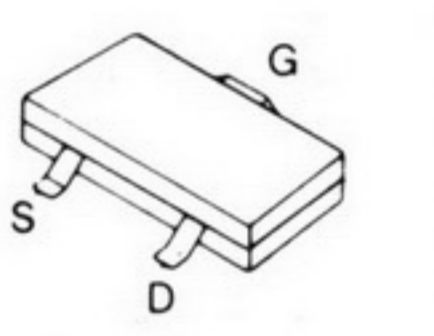
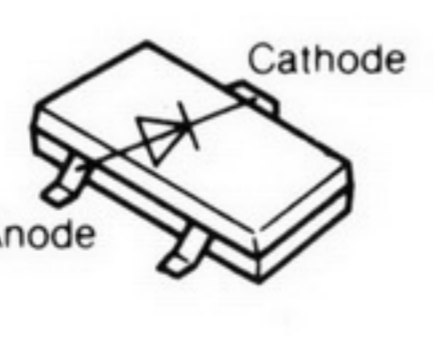
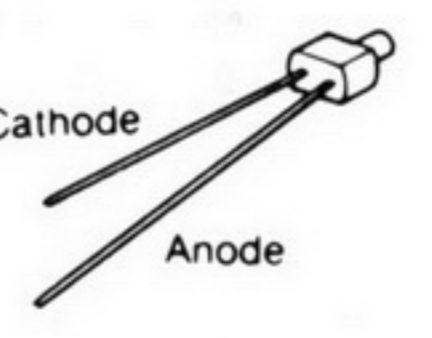
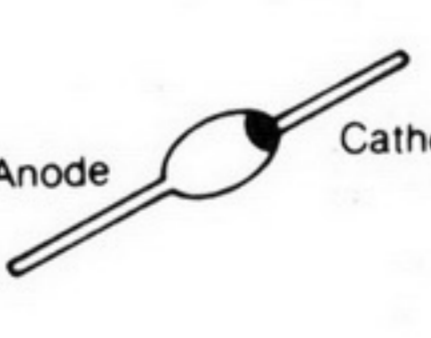
SCHEMATIC DIAGRAM MODEL RF-12



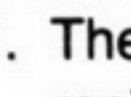
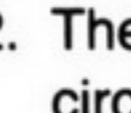
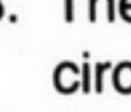
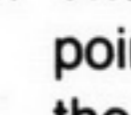
MODEL RF-12

12 G



 <p>IC1</p>	 <p>IC2</p>	 <p>Q1,3,5~9</p>	 <p>Q2</p>
 <p>D1</p>	 <p>D2</p>	 <p>D3</p>	

Notes:

1. The symbols () shown in the circuit board indicate printed resistor.
2. The circuit shown in () on the conductor indicates printed circuit on the back side of the printed circuit board.
3. The circuit shown in () on the conductor indicates printed circuit on the front side of the printed circuit board.
4. The symbols () shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.